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GENETIC TRANSFORMATION IN PLANTS USING SITE-SPECIFIC RECOMBINATION AND WIDE HYBRIDIZATION

ABSTRACT OF THE DISCLOSURE

- The methods of the invention provide a means for targeting the insertion of
- 5 a nucleotide sequence of interest to a specific chromosomal site within the genome of a plant cell. The invention provides a unique application of wide hybridization and site-specific recombination to bring together and recombine well defined chromosomal fragments. The invention provides novel methods to generate transgenic plant lines and new hybrid plant varieties.

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